

[illegible]

**Table 1**

Parameter	Value
Initial concentration of polymer solution, g/l	0.5
Temperature of solution, °C	25
Time of exposure to light, h	10
Intensity of light source, W/m <sup>2</sup>	100
Wavelength of light source, nm	365
Distance from light source to sample, cm	10
Volume of solution, ml	10
Concentration of initiator, mol/l	0.001
Concentration of monomer, mol/l	0.01
Concentration of solvent, mol/l	0.99
Concentration of water, mol/l	0.01
Concentration of oxygen, mol/l	0.001
Concentration of nitrogen, mol/l	0.001
Concentration of carbon dioxide, mol/l	0.001
Concentration of hydrogen, mol/l	0.001
Concentration of helium, mol/l	0.001
Concentration of argon, mol/l	0.001
Concentration of neon, mol/l	0.001
Concentration of krypton, mol/l	0.001
Concentration of xenon, mol/l	0.001
Concentration of iodine, mol/l	0.001
Concentration of bromine, mol/l	0.001
Concentration of chlorine, mol/l	0.001
Concentration of fluorine, mol/l	0.001
Concentration of sulfur, mol/l	0.001
Concentration of phosphorus, mol/l	0.001
Concentration of silicon, mol/l	0.001
Concentration of aluminum, mol/l	0.001
Concentration of iron, mol/l	0.001
Concentration of copper, mol/l	0.001
Concentration of zinc, mol/l	0.001
Concentration of nickel, mol/l	0.001
Concentration of cobalt, mol/l	0.001
Concentration of manganese, mol/l	0.001
Concentration of chromium, mol/l	0.001
Concentration of vanadium, mol/l	0.001
Concentration of niobium, mol/l	0.001
Concentration of tantalum, mol/l	0.001
Concentration of tin, mol/l	0.001
Concentration of lead, mol/l	0.001
Concentration of bismuth, mol/l	0.001
Concentration of antimony, mol/l	0.001
Concentration of arsenic, mol/l	0.001
Concentration of selenium, mol/l	0.001
Concentration of tellurium, mol/l	0.001
Concentration of molybdenum, mol/l	0.001
Concentration of tungsten, mol/l	0.001
Concentration of rhenium, mol/l	0.001
Concentration of ruthenium, mol/l	0.001
Concentration of rhodium, mol/l	0.001
Concentration of palladium, mol/l	0.001
Concentration of silver, mol/l	0.001
Concentration of gold, mol/l	0.001
Concentration of platinum, mol/l	0.001
Concentration of iridium, mol/l	0.001
Concentration of osmium, mol/l	0.001
Concentration of hafnium, mol/l	0.001
Concentration of zirconium, mol/l	0.001
Concentration of yttrium, mol/l	0.001
Concentration of lanthanum, mol/l	0.001
Concentration of cerium, mol/l	0.001
Concentration of praseodymium, mol/l	0.001
Concentration of neodymium, mol/l	0.001
Concentration of promethium, mol/l	0.001
Concentration of samarium, mol/l	0.001
Concentration of europium, mol/l	0.001
Concentration of gadolinium, mol/l	0.001
Concentration of terbium, mol/l	0.001
Concentration of dysprosium, mol/l	0.001
Concentration of holmium, mol/l	0.001
Concentration of erbium, mol/l	0.001
Concentration of thulium, mol/l	0.001
Concentration of ytterbium, mol/l	0.001
Concentration of lutetium, mol/l	0.001
Concentration of scandium, mol/l	0.001
Concentration of titanium, mol/l	0.001
Concentration of vanadium, mol/l	0.001
Concentration of chromium, mol/l	0.001
Concentration of manganese, mol/l	0.001
Concentration of iron, mol/l	0.001
Concentration of cobalt, mol/l	0.001
Concentration of nickel, mol/l	0.001
Concentration of copper, mol/l	0.001
Concentration of zinc, mol/l	0.001
Concentration of gallium, mol/l	0.001
Concentration of germanium, mol/l	0.001
Concentration of arsenic, mol/l	0.001
Concentration of selenium, mol/l	0.001
Concentration of bromine, mol/l	0.001
Concentration of iodine, mol/l	0.001
Concentration of tellurium, mol/l	0.001
Concentration of polonium, mol/l	0.001
Concentration of astatine, mol/l	0.001
Concentration of francium, mol/l	0.001
Concentration of radium, mol/l	0.001
Concentration of actinium, mol/l	0.001
Concentration of thorium, mol/l	0.001
Concentration of protactinium, mol/l	0.001
Concentration of uranium, mol/l	0.001
Concentration of neptunium, mol/l	0.001
Concentration of plutonium, mol/l	0.001
Concentration of americium, mol/l	0.001
Concentration of curium, mol/l	0.001
Concentration of berkelium, mol/l	0.001
Concentration of californium, mol/l	0.001
Concentration of einsteinium, mol/l	0.001
Concentration of fermium, mol/l	0.001
Concentration of mendelevium, mol/l	0.001
Concentration of nobelium, mol/l	0.001
Concentration of lawrencium, mol/l	0.001
Concentration of roentgenium, mol/l	0.001
Concentration of darmstadtium, mol/l	0.001
Concentration of meitnerium, mol/l	0.001
Concentration of bohrium, mol/l	0.001
Concentration of hassium, mol/l	0.001
Concentration of tennessine, mol/l	0.001
Concentration of oganesson, mol/l	0.001

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**Table 1**

Parameter	Value
$\alpha_0$	0.0000
$\alpha_1$	0.0000
$\alpha_2$	0.0000
$\alpha_3$	0.0000
$\alpha_4$	0.0000
$\alpha_5$	0.0000
$\alpha_6$	0.0000
$\alpha_7$	0.0000
$\alpha_8$	0.0000
$\alpha_9$	0.0000
$\alpha_{10}$	0.0000
$\alpha_{11}$	0.0000
$\alpha_{12}$	0.0000
$\alpha_{13}$	0.0000
$\alpha_{14}$	0.0000
$\alpha_{15}$	0.0000
$\alpha_{16}$	0.0000
$\alpha_{17}$	0.0000
$\alpha_{18}$	0.0000
$\alpha_{19}$	0.0000
$\alpha_{20}$	0.0000
$\alpha_{21}$	0.0000
$\alpha_{22}$	0.0000
$\alpha_{23}$	0.0000
$\alpha_{24}$	0.0000
$\alpha_{25}$	0.0000
$\alpha_{26}$	0.0000
$\alpha_{27}$	0.0000
$\alpha_{28}$	0.0000
$\alpha_{29}$	0.0000
$\alpha_{30}$	0.0000
$\alpha_{31}$	0.0000
$\alpha_{32}$	0.0000
$\alpha_{33}$	0.0000
$\alpha_{34}$	0.0000
$\alpha_{35}$	0.0000
$\alpha_{36}$	0.0000
$\alpha_{37}$	0.0000
$\alpha_{38}$	0.0000
$\alpha_{39}$	0.0000
$\alpha_{40}$	0.0000
$\alpha_{41}$	0.0000
$\alpha_{42}$	0.0000
$\alpha_{43}$	0.0000
$\alpha_{44}$	0.0000
$\alpha_{45}$	0.0000
$\alpha_{46}$	0.0000
$\alpha_{47}$	0.0000
$\alpha_{48}$	0.0000
$\alpha_{49}$	0.0000
$\alpha_{50}$	0.0000
$\alpha_{51}$	0.0000
$\alpha_{52}$	0.0000
$\alpha_{53}$	0.0000
$\alpha_{54}$	0.0000
$\alpha_{55}$	0.0000
$\alpha_{56}$	0.0000
$\alpha_{57}$	0.0000
$\alpha_{58}$	0.0000
$\alpha_{59}$	0.0000
$\alpha_{60}$	0.0000
$\alpha_{61}$	0.0000
$\alpha_{62}$	0.0000
$\alpha_{63}$	0.0000
$\alpha_{64}$	0.0000
$\alpha_{65}$	0.0000
$\alpha_{66}$	0.0000
$\alpha_{67}$	0.0000
$\alpha_{68}$	0.0000
$\alpha_{69}$	0.0000
$\alpha_{70}$	0.0000
$\alpha_{71}$	0.0000
$\alpha_{72}$	0.0000
$\alpha_{73}$	0.0000
$\alpha_{74}$	0.0000
$\alpha_{75}$	0.0000
$\alpha_{76}$	0.0000
$\alpha_{77}$	0.0000
$\alpha_{78}$	0.0000
$\alpha_{79}$	0.0000
$\alpha_{80}$	0.0000
$\alpha_{81}$	0.0000
$\alpha_{82}$	0.0000
$\alpha_{83}$	0.0000
$\alpha_{84}$	0.0000
$\alpha_{85}$	0.0000
$\alpha_{86}$	0.0000
$\alpha_{87}$	0.0000
$\alpha_{88}$	0.0000
$\alpha_{89}$	0.0000
$\alpha_{90}$	0.0000
$\alpha_{91}$	0.0000
$\alpha_{92}$	0.0000
$\alpha_{93}$	0.0000
$\alpha_{94}$	0.0000
$\alpha_{95}$	0.0000
$\alpha_{96}$	0.0000
$\alpha_{97}$	0.0000
$\alpha_{98}$	0.0000
$\alpha_{99}$	0.0000

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which corresponds to a VLAN identifier (VID) of a VLAN packet, from said first table, generates an MPLS packet having this VPN label and sends this MPLS packet to the MPLS network; and

5        said receive-side edge router finds a VID, which corresponds to a VPN label contained in an MPLS packet received from the MPLS network, from said first table, generates a VLAN packet having this VID and sends this VLAN packet to a VLAN indicated by this VID.

10 4. The network according to claim 3, wherein each of  
said edge routers includes:

a route decision unit for deciding a route which directs an MPLS packet to a receive-side edge router; and

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15         a second table for storing forwarding labels, which
specify routes decided by said route decision unit,
mapped to addresses of receive-side edge routers;

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said transmit-side edge router finds a receive-side edge router corresponding to a destination of a packet, finds a forwarding label, which corresponds to the receive-side edge router, from said second table, generates an MPLS packet that contains the VPN label and the forwarding label and sends this MPLS packet to the MPLS network.

25 5. The network according to claim 4, wherein an edge  
router which constructs the VPN and is connected to a  
VLAN sends another edge router an address set composed  
of an address of a VLAN-compatible device connected to



an MPLS packet generating unit for finding a VPN label corresponding to a VID, which is contained in a packet sent from the VLAN, using the corresponding relationship, generating an MPLS packet that includes this VPN label and sending this MPLS packet to the MPLS network.

a route decision unit for deciding a route which directs an MPLS packet to a receiver-side edge router; and

wherein said MPLS packet generating unit finds a receive-side edge router corresponding to a destination of a packet, finds a forwarding label, which corresponds to the receive-side edge router, from said forwarding label storage unit, and generates an MPLS packet that contains the VPN label and the forwarding label.

11. The edge router according to claim 10, wherein said  
25 MPLS packet generating unit receives from edge routers  
which are connected to other VLANs constituting said  
VPN, information comprising a combination of addresses  
of these edge routers and addresses of VLAN-compatible

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an MPLS packet generating unit for finding a VPN label corresponding to a VID, which is contained in a packet that enters from the VLAN, using said table,